

Response of Maturity Group V late soybean cultivars to stem canker, 2017.

Company/Cultivar	Stem canker rating^{1,2}	Cultivar designation³
Dyna-Gro S57RY26 (check)	3.5	MR
Asgrow AG59X7	1.3	R
Progeny P5752RY	4.6	MR
Univ. of Arkansas UA 5715GT(R07-6614RR)	4.5	MR
USG 75B75R	6.4	MS
MSE (0.05)	23.69	-
CV (%)	46.36	-
<i>P</i> -value for F-statistic	0.1123	-

¹Stem Canker Reaction-Eight plants per plot were inoculated with infested toothpicks. Ratings were given by individual plant reaction using a modified 0-9 scale based on lesion severity and are presented as the average for the eight plants. Where a lesion did not appear, a rating of 0 (Resistant) was assessed. Ratings were assessed based on the presence of a lesion whereby a reaction that produced a visible lesion that did not expand up the length of the stem was assessed as a 1. Dead plants with lesions that extended up most of the plant's length received a score of 9.

²Means followed by the same letter(s) within a column are not significantly different according to Fisher's Protected LSD ($P=0.05$).

³By using the Mean Disease Rating, a standardized designation system is as follows: 1 = Resistant, 3 = Moderately Resistant, 5 = Moderately Susceptible and 7 = Susceptible.